

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A power supply apparatus comprising:

a straightforward switch connected in series ~~with a system which connects~~ between a power source ~~[[to]]~~ and a load, and that supplies or interrupts ~~supplying or interrupting~~ an electric power ~~served~~ output from the power source to the load;

a first single phase ~~inverter~~ inverter/rectifier connected in parallel with ~~said system~~ the series connection of the power source and the straightforward switch;

a second single phase ~~inverter~~ inverter/rectifier connected in series parallel with said ~~system~~; power source; and

a ~~direct current output means~~ battery connected to direct current side terminals of said ~~[[the]]~~ first and second single phase ~~inverters~~ inverters/rectifiers;

wherein said first and second single phase inverters/rectifiers are connected so as to be connected in series with each other when said straightforward switch is turned off to supply the electric power to the load by superimposing their output voltages.

Claim 2 (Canceled).

Claim 3 (Currently Amended): The power supply apparatus according to claim 1, wherein an either one of the first and second single phase inverters is connected to the ~~direct current output means~~ battery through a DC-DC converter.

Claim 4 (Currently Amended): The power supply apparatus according to claim 1, wherein the first and second single phase ~~inverters~~ inverters/rectifiers are connected so that

their output voltages which are different from each other ~~are superimposed and supplied to the load.~~

Claim 5 (Currently Amended): The power supply apparatus according to claim 1, wherein the first and second single phase ~~inverters~~ inverters/rectifiers form a pseudo-sinusoidal voltage wave comprising a voltage waveform having a plurality of output levels to output it to the load, by combining their output voltages after decreasing in the system voltage and opening of the straightforward switch.

Claim 6 (Currently Amended): The power supply apparatus according to claim 1, wherein when a power source system voltage ~~fluctuate~~ fluctuates in ~~[[the]]~~ a normal operating condition, the second single phase ~~inverter~~ inverter/rectifier superimposes a voltage for compensating the fluctuation on the power source system voltage by controlling a pulse width or voltage value of the output voltage.

Claim 7 (Currently Amended): The power supply apparatus according to claim 3, wherein an either one of the first and second single phase ~~inverters~~ inverters/rectifiers is connected to the ~~direct current output means~~ battery through a DC-DC converter to give and receive energy through the DC-DC converter between both ~~inverters~~ inverters/rectifiers.

Claim 8 (Currently Amended): The power supply apparatus according to claim 1, wherein the first single phase ~~inverter~~ inverter/rectifier is comprised of a plurality of ~~inverters~~ inverters/rectifiers connected in series with each other.

Claim 9 (Currently Amended): The power supply apparatus according to claim 8, wherein at least two of direct current power sources provided to said plurality of single phase ~~inverters~~ inverters/rectifiers constituting said first single phase ~~inverter~~ inverter/rectifier have a voltage relationship of 1: 2, or 1:3.

Claim 10 (Currently Amended): The power supply apparatus according to claim 8, wherein said first single phase ~~inverter~~ inverter/rectifier is controlled so that ~~[[the]]~~ a current which compensates reactive power in ~~[[the]]~~ a normal condition ~~is flown in or out from~~ flows through the system power source.

Claim 11 (Currently Amended): The power supply apparatus according to claim 8, wherein said second single phase ~~inverter~~ inverter/rectifier is PWM-controlled so that the direct current voltage of the second single phase ~~inverter~~ inverter/rectifier is 0.5 or more ~~[[of]]~~ times the direct current voltage of the single phase ~~inverter~~ inverter/rectifier generating ~~the least a lowest~~ voltage out of a plurality of the ~~inverters~~ inverters/rectifiers constituting the first single phase ~~inverter~~ inverter/rectifier.

Claim 12 (Currently Amended): The power supply apparatus according to claim ~~[[7]]~~ 1, wherein the direct current voltage of said second single phase ~~inverter~~ inverter/rectifier is changed by said second DC-DC converter according to an amount of decreased or increased ~~system~~ power source voltage.

Claims 13-14 (Canceled).

Claim 15 (Previously Presented): The power supply apparatus according to claim 1, wherein said straightforward switch is constituted by a mechanical switch or semiconductor switch.

Claim 16 (Currently Amended): The power supply apparatus according to claim 9, wherein said first single phase ~~inverter~~ inverter/rectifier is controlled so that ~~[[the]] a~~ current which compensates reactive power in ~~[[the]] a~~ normal condition ~~is flown~~ flows in or out from through the system power source, switch, and load.

Claim 17 (New): The power supply apparatus according to claim 9, further comprising:

a voltage drop detector to detect if a system voltage from said power source abnormally drops in magnitude, and to open said switch when an abnormal system voltage drop is detected.

Claim 18 (New): A power supply unit comprising:

a straightforward switch connected in series between a power source and a load, and that supplies or interrupts an electric power output from the power source to the load;

a first single phase inverter/rectifier connected in parallel with the series connection of the power source and the straightforward switch;

a second single phase inverter/rectifier connected in series with the power source;

a battery connected to direct current side terminals of said first and second single phase inverter/rectifiers; and

a DC-DC converter connected between the battery and at least one of said first and second single phase inverter/ rectifiers, wherein the first and second single phase

inverter/rectifiers generate output voltages different from each other and are connected so that their output voltages are superimposed on each other.

Claim 19 (New): A power supply apparatus according to claim 18, wherein said first single phase inverter/rectifier forms a pseudo-sinusoidal voltage wave comprising a waveform having a plurality of output levels to output to the load after decreasing in the system voltage and opening of the straightforward switch.